

MBM RailGrip

Impact on Sanding System LCC



Reduced amount of media means reduced maintenance cost

No Fine Dust

MBM RailGrip is not crushed in the wheel rail contact point; no fine dust is created.

No Health Hazard

MBM RailGrip is completely non-toxic in operation as well as production. It does not create any lung diseases caused by fine dust.

High Efficiency

10% of the usual amount provides 100% traction

Reduced Maintenance

Reduced amount of media means reduced maintenance

In conventional LCC analysis the main influencing factors on the LCC are not always taken into consideration. For sanding systems, these are the costs of the used grit in addition with the effort required to fill the vehicles. And this is where the use of MBM RailGrip makes an enormous difference!

The fleet of a larger city can use several hundred tons of sand during a normal year of operation. (eg. Vienna – 800 tons, Toronto – 1600 tons) This vast amount of sand has to be filled in the street cars either manually or by the use of automated filling systems. Filling 1600 tons of sand at a filling rate of 20 kg/minute takes an incredible 1333 hours or

167 full working days = vehicle down time each year!

When a high sophisticated and cost intensive automatic sand filling system is used, all eight sanders of a vehicle (typical configuration) can be filled at a time. With this, the filling time can be reduced to “only” 21 full working days each year. This vast amount of time creates not only cost for the involved labour but is also cost intensive vehicle down time. Compared to this, the labour required for preventive maintenance, corrective maintenance and overhaul of the sanding system, pales into insignificance.

Changing to MBM RailGrip can reduce filling time of a complete fleet by 90%!

It has been shown by full scale testing that only approx. 10% of the usual volume of natural sand is required for a comparable increase in friction and reduction in stopping distance.

With this simple measure the overall maintenance time of the sanding system - filling and actual maintenance combined - can be cut down to approximately 10% compared to the use of natural sand! LCC savings as simple as possible!

As simple as possible - as good as the best